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## **EUROPEAN PATENT APPLICATION**

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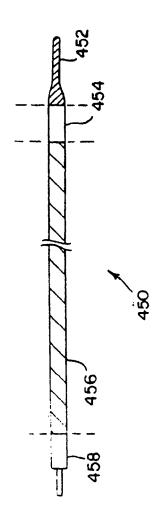
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(54) Intravascular imaging guide wire apparatus and methods for use and manufacture

(57) A device for ultrasonic imaging, particularly of small coronary vessels, comprises an elongate member (450) with a distal end (452) that can be positioned within a small vessel of a patient's body while a proximal end (458) is located outside the body, a transducer (356) located at a distal end of the elongate member and operable to scan the distal coronary vessels with ultrasonic pulses, and a signal processor connected to a proximal end of the elongate member and to the transducer for generating and receiving pulses to and from the transducer. A motor (620) may also be connected to the proximal end of the elongate member for rotating the transducer.



FIG



## EUROPEAN SEARCH REPORT

Application Number EP 93 30 1240

ategory	Citation of document with is of relevant pa	ndication, where appropriate, ssages	Relevas to clain		SIFICATION (	ON OF THE (InlCLS)
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	Place of search	Date of completion of the search	Ή-	Exam		
THE HAGUE 30 Au		30 August 1995		HUNT, B		
CATEGORY OF CITED DOCUMENTS  X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background		E : earlier patent do after the filing di other D : document cited i	T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons			



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CLAIMS INCURRING FEES				
The	present	European patent application comprised at the time of filing more than ten claims.		
		All claims feus have been paid within the prescribed time limit. The present European sealch piport has been drawn up for all claims.		
		Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid,		
i		namely dalms:		
		No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.		
	LA	CK OF UNITY OF INVENTION		
inve	e Search ention ar nely:	Division considers that the present European patent application does not comply with the requirement of unity of and relates to several inventions or groups of inventions,		
		See sheet -B-		
		All further search lees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.		
		Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respects of which search fees have been paid.		
		namely daims:		
	X	None of the further search tees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims.		
1		namely claims: 1 – 37		